

Communications received:

Acknowledging the receipt of the Academy's publications	145
Transmitting publications to the Academy	26
Requesting exchanges or the supply of deficiencies	5
Invitations to learned gatherings, celebrations, etc.	5
Notices of deaths of scientific men	5
Circulars concerning the administration of scientific and educational institutions, etc.	12
Photographs and biographies of correspondents	4
Letters from correspondents	24
Miscellaneous letters	48
Total received	272

Communications forwarded:

Acknowledging gifts to the library	1,001
Requesting the supply of deficiencies	151
Acknowledging gifts to the museum	106
Acknowledging photographs and biographies	4
Letters of sympathy and congratulation, addresses, etc.	6
Diplomas and notices of election of correspondents and delegates' credentials	19
Miscellaneous letters	119
Annual reports and circulars sent to correspondents	181
Total forwarded	1,587

Respectfully submitted,

J. PERCY MOORE, *Corresponding Secretary.*

REPORT OF THE LIBRARIAN.

The library of the Academy during the past year has been increased by 6,086 additions. Of these 578 were volumes, 5,344 were pamphlets and parts of periodicals. There were 160 maps, photographs, and one sheet.

They were received from the following sources:

Exchanges	2,843	United States Bureau of Education	32
Isakiah V. Williamson Fund	1,062	Department of Marine and Fisheries, Ottawa	32
United States Department of Agriculture	698	Imperial Department of Agriculture, British West Indies	27
General Appropriation for purchase of books	299	Henry A. Pilsbry	27
James Aitken Meigs Fund	98	California State Commission of Agriculture	27
Authors	98	Pennsylvania Department of Agriculture	26
Editors	76	New York Agricultural Experiment Station	24
Board of Agriculture, London	76	Commission of Telegraph, Mato Grosso, Brazil	23
American Entomological Society (Entomological Section of the Academy)	73	Trustees of British Museum	22
North Carolina Geologic and Economic Survey	52		
Colorado Agricultural College	34		

Miss H. N. Wardle	22	Indiana University	3
Library of Congress	20	Louisiana State Museum	3
Thomas B. Wilson Fund	19	Geological Commission of Finland	2
Argentine Government	19	Colorado Museum of Natural History	2
U. S. Department of the Interior	18	Seismological Society of America	2
William J. Fox	15	Delaware County Institute of Science	2
Pan-American Union	14	Office National des Universités et Écoles françaises	2
Pennsylvania Department of Health	13	Geological Survey of Alabama	2
New York State College of Forestry	13	Commissioners on Fisheries and Game, Massachusetts	2
U. S. Department of Commerce and Labor	12	Illinois State Geological Survey	2
Secretary of Works, Mexico	12	Maryland Geological Survey	2
California Fish and Game Commission	11	Department of Trade and Customs, Australia	2
American Iron & Steel Institute	10	Dr. Ida A. Keller	2
Henry Skinner	10	State Entomologist, Illinois	2
Department of Mines, Queensland	10	Peabody Museum	1
University of Michigan	9	State Board of Charities, New York	1
National Academy of Sciences	9	Boston City Hospital	1
Museum of the American Indian	9	Harvard University	1
Heve Foundation	9	Wisconsin Geological and Natural History Survey	1
Publication Committee of the Academy	7	Geological Survey of Ohio	1
Edward J. Nolan	7	Department of Fisheries, Bengal, Bihar and Orissa	1
Lowell Observatory	7	Observatory of Madrid	1
University Geological Survey of Kansas	7	United States Brewers' Association	1
Vermont Agricultural Experiment Station	7	Danish Government	1
Tennessee State Geological Survey	6	Government of Formosa	1
Ohio Biological Survey	6	Missouri Bureau of Geology and Mines	1
Statens Skogsforsöksanstalt, Stockholm	6	Warren Academy of Sciences	1
Department of the Naval Service, Ottawa	6	George H. Clapp	1
Thornwell Museum	6	Massachusetts State Board of Agriculture	1
Samuel G. Dixon, M.D.	6	Yale University	1
University of Wyoming	5	Miss Emily H. Thomas	1
Seismologic Station of Cartuja	5	Zoological Society of Philadelphia	1
Estate of Albert Lucas	5	West Virginia Geological Survey	1
United States War Department	4	Second Pan-American Scientific Congress	1
Direccion de Estudios Biologicos, Mexico	4	Cuerpo de Ingenieros de Minas del Peru	1
New Mexico College of Agriculture and Mechanic Arts	4	Bentham Trustees, Kew Gardens	1
East Indian Government	4	George L. Harrison, Jr.	1
Commission of Conservation, Canada	4	New Jersey Department of Conservation and Development	1
Wallace G. Levison	4	New South Wales State Fisheries	1
Department of Agriculture, Costa Rica	4	Albert de Monaco	1
James A. G. Rehn	3	Geological Survey of Georgia	1
University of Tennessee	3	Tiflis Seismological Station	1
Mississippi State Geological Survey	3	Philadelphia Museums	1
Michigan Geological and Biological Survey	3		

Dr. W. K. Shea	1	Clarence B. Moore	1
Cornell University Agricultural		Florida State Geological Survey.	1
Experiment Station	1	Jardim Botanico do Rio de	
Rockefeller Foundation	1	Janeiro	1

These additions have been distributed to the several departments of the library as follows:

Journals	3,788	Medicine	23
Agriculture	948	Mineralogy	21
Geology	448	Bibliography	19
Geography	153	Mammalogy	18
Botany	127	Physical Sciences	11
General Natural History	102	Helminthology	7
Entomology	86	Chemistry	3
Anthropology	79	Philology	3
Ornithology	40	Herpetology	1
Ichthyology	30	Dictionaries	1
Conchology	29	Encyclopedias	1
Anatomy and Physiology	26	Miscellaneous	36
Voyages and Travels	26		

Among the more important works received are

- Herrich-Schaffer. *Neue Schmetterlinge aus Europa*, etc. 3 parts. 1856-61.
 Meerburg. *Plantæ rariores coloribus depictæ* (Afbeeldingen van zeldzaame Gewassen). 1789.
 Hanley. An illustrated and descriptive catalogue of recent bivalve shells. 1842-56. An extra-illustrated copy from Hanley's own library. Presented by Mr. George H. Clapp.
 Nees von Esenbeck, Hornschuh und Sturm. *Bryologia Germanica*. 2 parts in 3 volumes. 1823-31.
 Junghaus. *Icones Plantarum rariorum. Centuria I. Folio*. 1792.
 Beddome. *Icones Plantarum Indiæ Occidentalis. Vol. I.* 1868-74.

The following journals are new to the collection:

- Addisonia. New York.
 American Entomological Society, Memoirs.
 Anthropological Institute, London. Occasional Papers.
 Arbeiten zur Entwicklungspsychologie. Leipzig.
 Board of Agriculture, London. Journal.
 California Fish and Game Commission. Teachers' Bulletin.
 Colombo Museum. Memoirs.
 Congreso de Naturalistas Espanoles. Actas y Memorias.
 Departamento de Agricultura, Costa Rica. Publicaciones.
 Department of Marine and Fisheries, Ottawa. Annual Report.
 Eugenics Review. London.
 Geographical Review. New York.
 Geologe (Der). Leipzig.
 Jardim Botanico de Rio de Janeiro. Archivos.
 Journal of Bacteriology. New Haven.
 Journal of Ecology. London.
 Journal of Micrology. Reading, England.
 Junta de Ciencias Naturals, Barcelona. Anuari.
 Iowa Naturalist. Iowa City.
 Lorquinia. Los Angeles.
 Mines Handbook. New York.
 Massachusetts State Board of Agriculture. Economic Biology-Bulletin.
 Museum of the American Indian Heye Foundation. New York. Contributions.

New Jersey Department of Conservation and Development. Trenton. Annual Report.
New York Mineralogical Club. Brooklyn. Bulletin.
New York State College of Forestry. Syracuse. Bulletin.
Notes on Rhode Island Ornithology. Bristol.
Ohio (The) Journal of Science. Columbus.
Physiological Abstracts. London.
Service Géologique de l'Indochine. Hanoi-Haiphong. Bulletin.
Thornwell Museum. Clinton. South Carolina. Annual Report.
Vermont Agricultural Experiment Station. Bulletin.

Four hundred and four volumes have been bound.

The special catalogue of books subject to loan has been completed and is now in use. Certain works not included in the list may, by order of the Council, be borrowed with the consent of the Librarian.

Under the revised By-law, 61 works in 66 volumes have been loaned. Seven of these are still outstanding. 1,226 works in 1,476 volumes have been used in the study rooms by students of the Academy.

The requirement that these books be registered before removal from the library has resulted in desirable convenience of access and recovery when wanted by other readers.

We are under obligation to Mrs. William H. Bennett for the repair and regilding of the frame containing the portrait of her father, George W. Carpenter, Treasurer of the Academy from December, 1826, until his death, June 7, 1860.

Six volumes and four duplicate pamphlets have been sold.

184 volumes were given by the Academy and 29 by the President to Geneva College, Beaver Falls, Pennsylvania, as a help in replacing the library of that institution, which has been destroyed by fire.

With the rest of the scientific and literary world we are still suffering from the effects of the English embargo on books from Germany and other belligerent nations. The hoped-for relief referred to in my last report, where the subject is treated of at some length, has not been accorded, and notwithstanding strenuous efforts on the part of American importers to secure concessions from the British censors, what has been called "the intellectual famine" continues. The Foreign Trade Adviser of our own Department of State is not apparently able to modify the situation, although, with the Librarian of Congress, he has shown every disposition to do so as far as possible. Shipments sent by way of Rotterdam have been detained on the most trivial pretexts, yet it is only under the protection of the official permits that a supply of current issues and deficiencies can safely be secured. Foreign publishers rarely prepare large editions of the works issued by them and especially is this the case in the present

deplorable condition of affairs, so that if transmissions be lost, the deficiencies in sets can probably never be supplied.

The British Trade Adviser has recently required all institutions to make their own applications. If this rule be insisted upon it will enormously increase the labor and uncertainties of importation. Our own importers make application for ninety-two institutions. The British official will, it is to be hoped, acknowledge the disadvantage of increasing the required documents in that instance alone from one to ninety-two, so that the representations of the Librarian of Congress may secure a modification of this order, but in the meantime we must cultivate such patience as we can until the world is providentially restored to its normal condition.

I am glad to again acknowledge, officially and personally, the zeal and efficiency of my assistants, William J. Fox and Furman Sheppard Wilde.

EDWARD J. NOLAN, *Librarian*.

REPORT OF THE CURATORS.

The year just completed finds the Academy's collections and buildings in better condition than ever before. The members of the museum staff have devoted their time to the care and study of the material in the several departments. Large numbers of specimens have been labelled, catalogued and rearranged, while many groups have been critically studied and specimens redetermined. The accessions to the museum have been numerous and of great value, as shown by the accompanying list of additions.

Much has been done to render the exhibits more accessible and more attractive. Through the appropriation of \$10,000, made at the last session of the State Legislature, it was possible to secure 52 plate-glass and mahogany or oak exhibition cases, while four others were purchased from the E. D. Cope Fund and ten from the William S. Vaux Fund.

With these it is possible to complete the furnishing of the Archaeological and Mammal floors and the first floor of the north wing, and to transfer to new cases the William S. Vaux Collection of minerals and a large part of the exhibition series of mollusks. Part of the transfer to the new cases has already been accomplished, and the work will be finished during the coming year.

For the study collections 105 metal-covered cases, 420 glass-covered boxes and 1,300 trays were secured for the accommodation